

IN THE CLAIMS

Please amend the claims as follows:

1. (original) An active matrix display device comprising an array of display pixels, each pixel comprising:

a current-driven light emitting display element (2) comprising an area of light emitting material (76) sandwiched between electrodes (74,80);

a light-dependent device (27,52,90) for detecting the brightness of the display element (2); and

a drive transistor circuit (16,22,24,29; 16,22,24,34,36,40) for driving a current through the display element, wherein the drive transistor (22) is controlled in response to the light-dependent device output, wherein

the light-dependent device (52,90) is located laterally of the area of light emitting material.

2. (original) A device as claimed in claim 1, wherein the light-dependent device (27,52,90) comprises a photodiode.

3. (original) A device as claimed in claim 2, wherein the photodiode comprises a PIN or NIP diode stack or a Schottky diode and top (93) and bottom (94) contact terminals.

4. (original) A device as claimed in claim 3, wherein the top (93) contact terminal extends over the top of the stack and down one side of the stack and acts as a light shield to pixels on the one side of the photodiode.

5. (currently amended) A device as claimed in ~~any preceding claim~~ claim 1, wherein the electrodes comprise a top substantially transparent electrode (80a) and a bottom substantially non-transparent, reflective electrode (74a).

6. (original) A device as claimed claim 5, wherein the bottom electrode (74a) is for reflecting light from the display element to the light dependent device.

7. (original) A device as claimed in claim 6, wherein the bottom electrode (74a) is for reflecting light emitted at an angle to the normal greater than a first angle to the light dependent device.

8. (currently amended) A device as claimed in claim ~~6 or 7~~, further comprising a reflecting layer (102) above the light dependent device and for reflecting light from the bottom electrode (74a) to the light dependent device.

9. (original) A device as claimed in claim 8, wherein the device further comprises a plurality of printing dams (78) and the light emitting material (76) comprises a printable material.

10. (original) A device as claimed in claim 9, wherein the reflecting layer (102) is formed at the base of the printing dams (78).

11. (original) A device as claimed in claim 9, wherein the printing dams comprise an insulating body and a conducting metal layer (79) over the insulating body.

12. (original) A device as claimed in claim 11, wherein the conducting metal layer (79) provides a lower resistance shunt connecting the top substantially transparent electrodes.

13. (currently amended) A device as claimed in claim 11 ~~or 12~~, wherein the conducting metal layer (79) defines the reflecting layer.

14. (currently amended) A device as claimed in ~~any one of claims claim 9 to 13~~claim 9, wherein the light sensitive devices (90) are formed beneath the printing dams.

15. (currently amended) A device as claimed in ~~any one of claims 1 to 4~~claim 1, wherein the electrodes comprise a top substantially transparent electrode and a bottom substantially transparent electrode (74).

16. (original) A device as claimed in claim 15, wherein the device further comprises an additional reflective layer (70;62) beneath the bottom electrode (74).

17. (original) A device as claimed in claim 16, further comprising a reflecting layer (102;110) above the light dependent device (90) and for reflecting light from the reflecting layer (102;110) to the light dependent device.

18. (original) A device as claimed in claim 17, wherein the reflecting layer (110) is formed at the level of the bottom electrode (74) of the light emitting display element.

19. (original) A device as claimed in claim 17, wherein the device further comprises a plurality of printing dams (78) and the light emitting material (76) comprises a printable material.

20. (original) A device as claimed in claim 19, wherein the reflecting layer (102) is formed at the base of the printing dams (78).

21. (currently amended) A device as claimed in ~~any preceding~~ claim 1, wherein the light-dependent device extends alongside the area of light emitting material and extends along substantially the full length of one side of the area of light emitting material.

22. (original) A device as claimed in claim 21, wherein the light-dependent device extends around an upper and lower portion of the area of light emitting material.

23. (currently amended) A device as claimed in ~~any preceding~~
~~claim~~claim 1, wherein the light emitting display element comprises
an electroluminescent display element.